



Australian Government

UEECD0060 Write specifications for electrotechnology engineering projects

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to write specifications for electrotechnology engineering projects.

It includes preparing and writing specifications for electrotechnology engineering projects. It also includes obtaining approval of final specification.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare engineering specification requirements

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** Engineering techniques for specification writing are reviewed and implemented in accordance with

		workplace procedures
	1.3	Scope of the engineering specification is identified using a formal evaluation/survey process
	1.4	Related works impacting on the specification are determined from relevant documentation, site visits and/or discussion with relevant person/s
2	Write engineering specification	
	2.1	Engineering specification scenarios/requirements are developed in consultation with relevant person/s in accordance with relevant industry standards
	2.2	Engineering specification is developed in collaboration with relevant design professionals and contractors involved in the project
	2.3	Relevant person/s required for the project is identified and roles specified in the specification
	2.4	Engineering specification is reviewed with inputs and adjusted to rectify any anomalies
	2.5	Engineering specification is developed in accordance with workplace procedures
3	Obtain approval of specification	
	3.1	Engineering specification is presented and discussed with relevant person/s
	3.2	Alterations to the engineering specification are negotiated with relevant person/s in accordance with workplace procedures
	3.3	Specification is finalised and approval obtained from relevant person/s

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Developing specifications must include at least one medium-sized electrotechnology engineering project with the following attributes:

- safety requirements met
- client expectations established
- cost-effective solutions pursued and assured
- design and technical requirements documentation

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE084A Write specifications for electrotechnology engineering projects.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>